

10/527156

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PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Masahiko Sisido
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	SAE-0031
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
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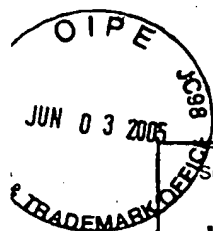
NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
DS	CA	English Translation of International Search Report		
DS	CB	Ninomiya et al., "An approach towards aminoacylation of tRNA by antisense PNA derivatives," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 79, No. 2, Page 873, 1 F3 10 (March 2001)		
DS	CC	Werner et al., "Short Oligonucleotides as external guide sequences for site-specific cleavage of RNA molecules with human RNase P," RNA, Vol. 4, No. 7, Pages 847-855, Cambridge University Press (July 1998)		
DS	CD	Sisido et al., "Introduction of specialty function by the position-specific incorporation of nonnatural amino acids into proteins through four-base codon/anticodon pairs," Applied Microbiology Biotechnology, Vol. 57, No. 3, Pages 274-281 (October 2001)		
DS	CE	Kurita et al., "Chemical aminoacylation of pdCpA and tRNA with an activated amino acid in cationic micelles," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 83, No. 2, Page 944, 1 G2-39 (March 2003)		
DS	CF	Toshikazu et al., "Chemical tRNA aminoacylation by a PNA linked with an activated amino acid," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 83, No. 2, Page 944, 1 G2-37 (March 2003)		
DS	CG	Suzuki et al., "A simple and versatile method for aminoacylation of tRNA with a nonnatural amino acid was developed through ternary hybridization of tRNA/DNA/aminoacyl-PNA," CSJ: The Chemical Society of Japan Koen Yokoshu, Vol. 83, No. 2, Page 944, 1 G2-38 (March 2003)		

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Dana Shin/	Date Considered	10/24/2006
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	March 9, 2005
				First Named Inventor	Masahiko Sisido
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
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DS	CA	English translation of International Preliminary Examination Report for PCT/JP2003/011391 mailed on May 12, 2005	

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			Application Number	10/527,156-Conf. #1834	
			Filing Date	March 9, 2005	
			First Named Inventor	Masahiko Sisido	
			Art Unit	1653	
			Examiner Name	D. H. Shin	
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DS	BA	WO 03/059926 A2	07-24-2003	University of Massachusetts		
DS	BB	WO 03/059926 A3	07-24-2003	University of Massachusetts		

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DS	CA	European Search Report, 4/18/2006		
DS	CB	"Aminoacylation of tRNA by antisense molecule", by Ninomiya et al. Nucleic Acids Research. Supplement (2001) 2002. No. 2, 2002, pages 101-102, XP009064184 *the whole document*		
DS	CC	"T4 RNA Ligase Mediated Preparation of Novel "Chemically Misacylated" tRNA by", Heckler et al. BIOCHEMISTRY. 27 MAR 1984, vol. 23 no. 7, 27 March 27, 1984 (1984-03-27), pages 1468-1473, XP002374061 ISSN: 0006-2960 * abstract * *page 1468, column 1, paragraph 2* scheme I-III		
DS	CD	"A tRNA aminoacylation system for non-natural amino acids based on a programmable ribozyme", By Bessho et al. NATURE BIOTECHNOLOGY. JUL 2002, vol. 20, no.7, July 2002 (2002-07), pages 723-728, XP002374062 ISSN:1087-0156 *abstract; figures 1,2*		
DS	CE	"Ribozyme -catalyzed tRNA aminoacylation", by Lee et al. NATURE STRUCTURAL BIOLOGY, NEW YORK, NY, US, vol. 7, no. 1, January 2000 (2000-01), pages 28-33 XP0029239339 ISSN:1072-8368 *abstract; figures 1,3-5*		
DS	CF	"A General Method for Site-Specific Incorporation of Unnatural Amino Acids into Proteins", by Noren et al. SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, US, vol. 244, 14 April 1989(1989-04-14), pages 182-188, XP002925217 ISSN: 0036-8075 * abstract * *page 182, column 2: Figures 1,4 8		
DS	CG	"A General and Efficient Route for Chemical Aminoacylation of Transfer RNAs" by, Robertson et al. JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 113, no. 7, 1991, pages 2722-2729, ISSN: 0002-7863 * abstract; figures 1,2 *		
DS	CH	"Site-specific incorporation of an unnatural amino acid into proteins in mammalian cells", by Sakamoto et al. NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 30, no. 21, 1 November 2002 (2002-11-01), pages 4692-4699, XP002976283 ISSN: 0305-1048 * abstract; figures 1,2 *		

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				Art Unit	1653
				Examiner Name	D. H. Shin
Sheet	2	of	2	Attorney Docket Number	SAE-0031

DS	CI	"Four-base codon/anticodon strategy and non-enzymatic aminoacylation for protein engineering with non-natural amino acids", by Sisido et al. METHODS : A COMPANION TO METHODS IN ENZYMOLOGY, ACADEMIC PRESS INC., NEW YORK, NY, US, vol. 36, no. 3, July 2005 (2005-07), pages 270-278, XP004997380 ISSN: 1046-2023 * the whole document *	
DS	CJ	"Facile aminoacylation of pdCpA dinucleotide with a nonnatural amino acid in cationic micelle", by Ninomiya et al. CHEMICAL COMMUNICATING (CAMBRIDGE, ENGLAND) 7 Sep 2003 (2003-9-1), pages 2242-2243 XP009064171 ISSN: 1359-7345 * the whole document *	
DS	CK	"In Situ Chemical Aminoacylation with Amino Acid Thioesters linked to a Peptide Nucleic Acid" by, Ninomiya et al. JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol.126 no. 49, 2004, pages 15984-15989, XP002337183 ISSN:0002-7863 * the whole document *	
DS	CL	"Simple and quick chemical aminoacylation of tRNA in cationic micellar solution under ultrasonic agitation", by Hashimoto et al. CHEMICAL COMMUNICATIONS (CAMBRIDGE, ENGLAND) 14 SEP 2005, (2005-09-14), pages 4321-4323, XP009064150 ISSN: 1359-7345 * the whole document *	

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